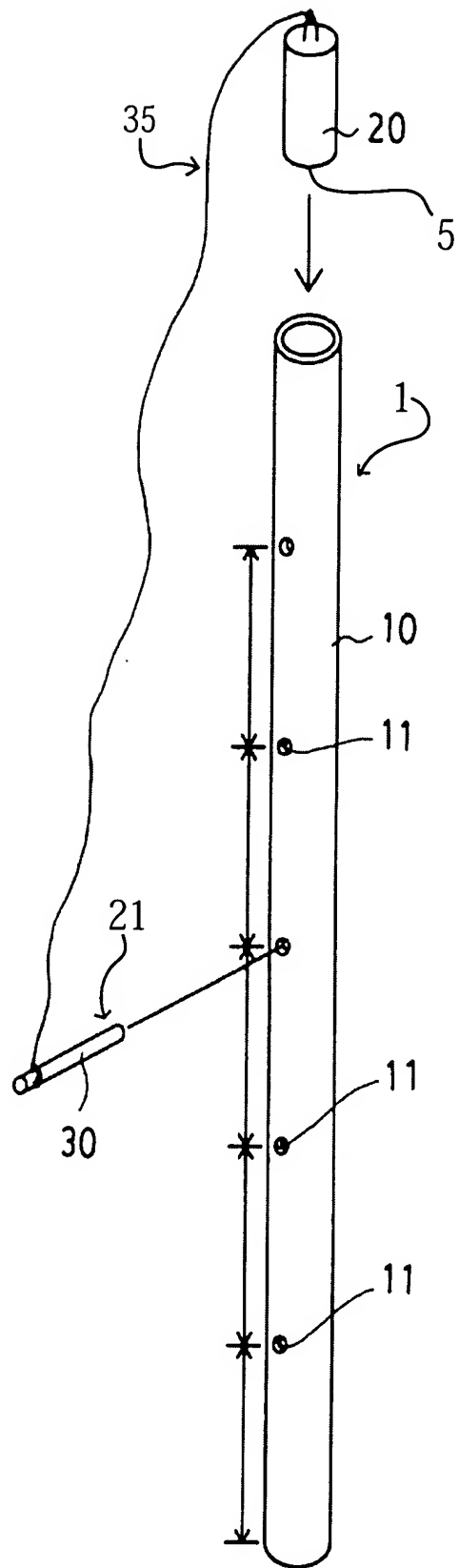
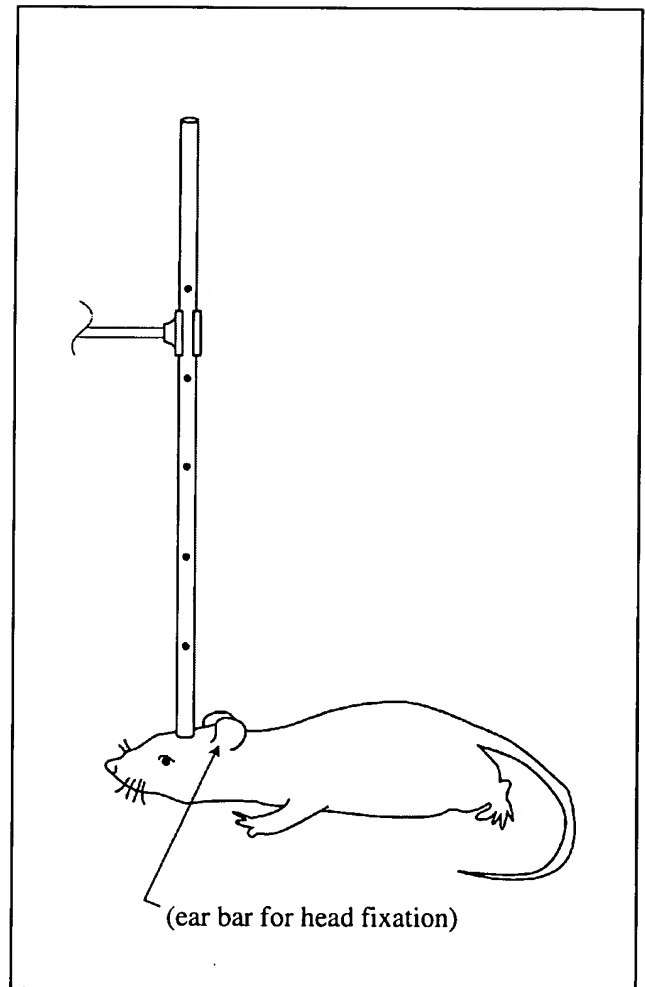


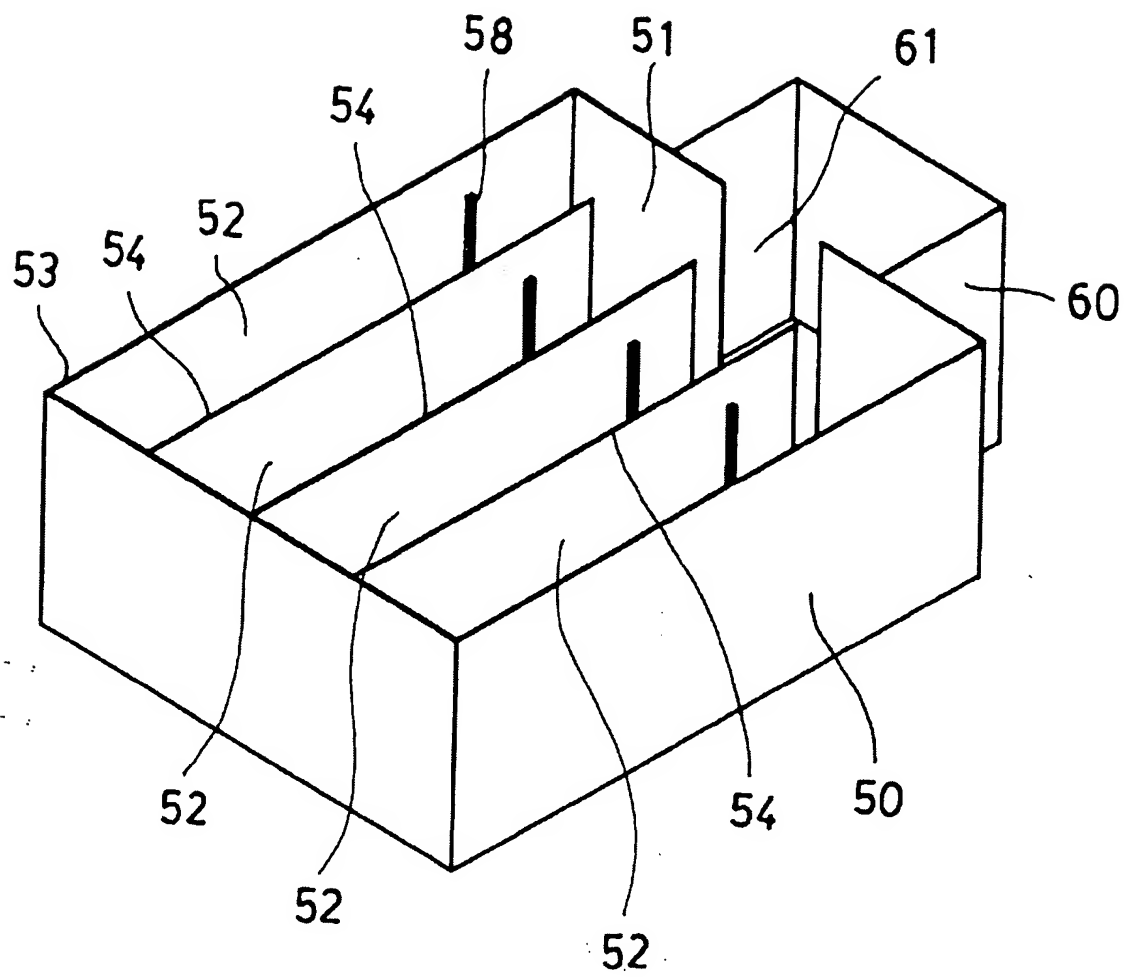
**Fig. 1**



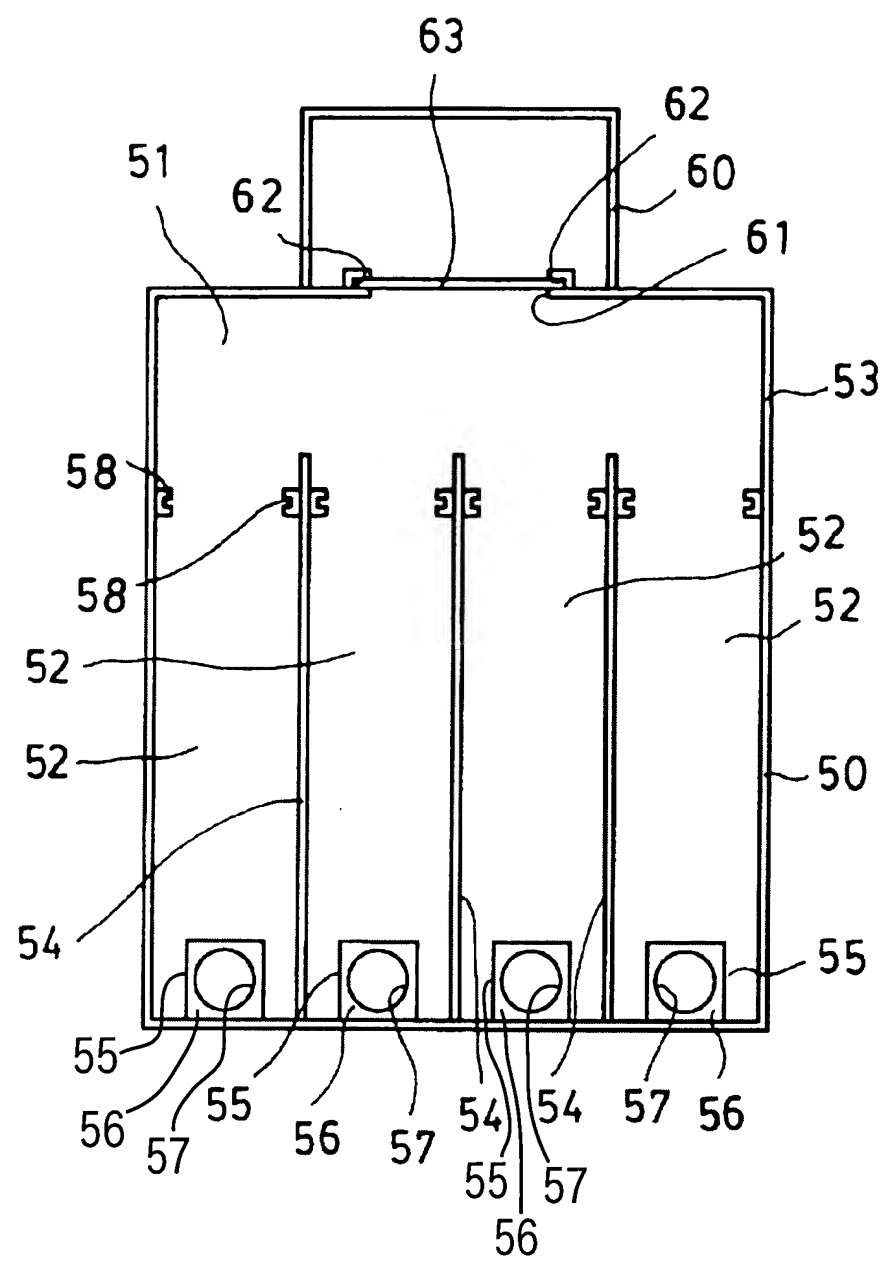
**Fig. 1a**



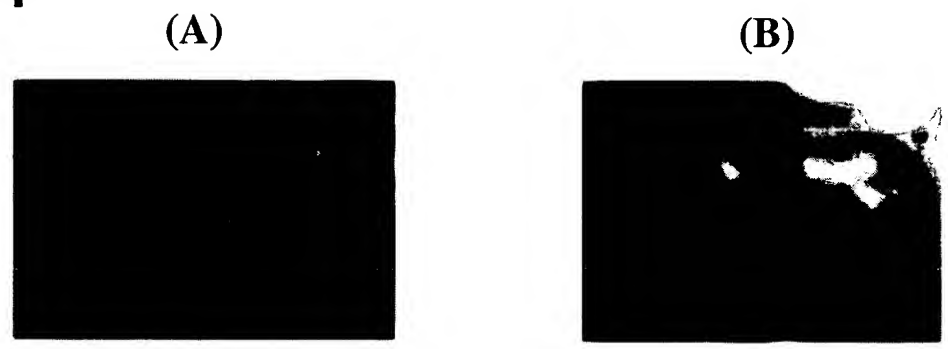
**Fig. 2**



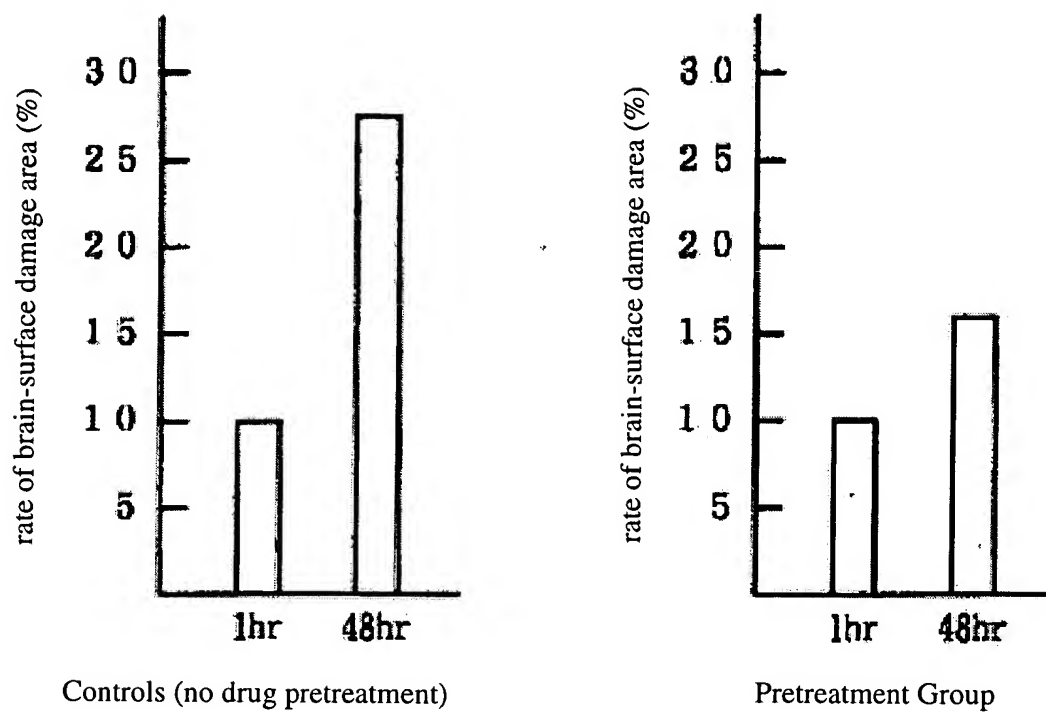
**Fig. 3**



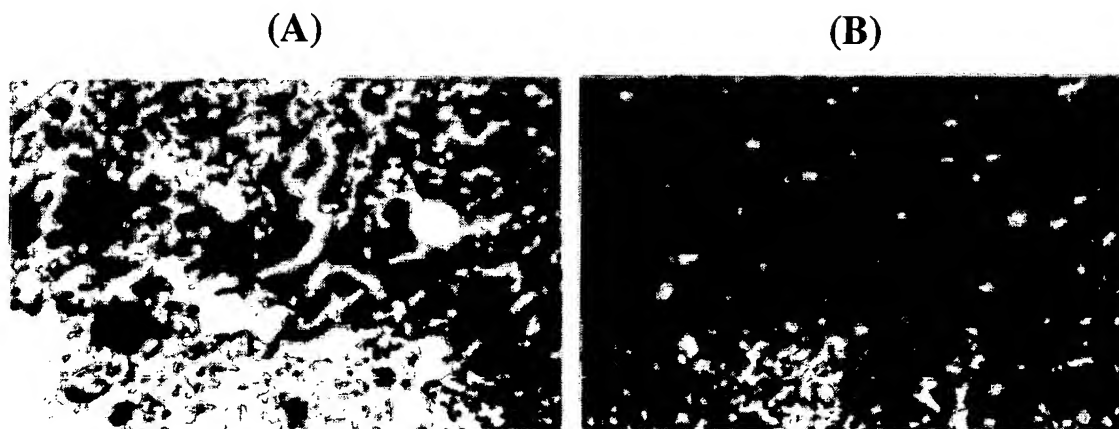
**Fig. 4**



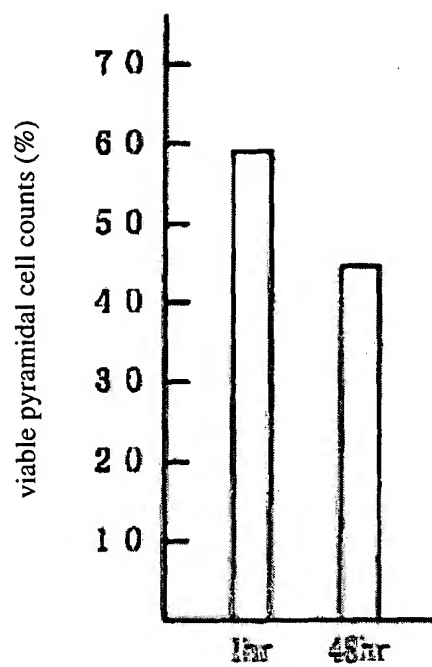
**Fig. 5**



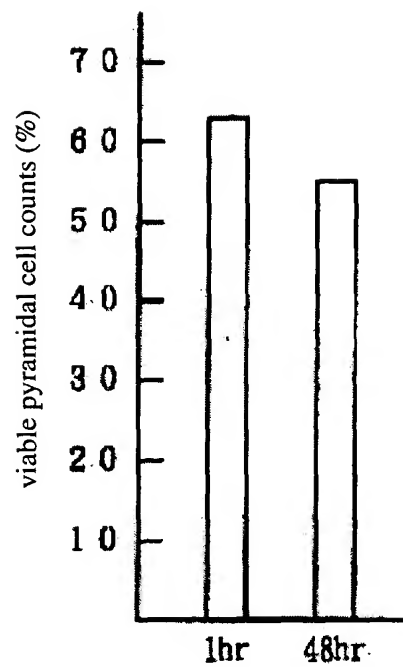
**Fig. 6**



**Fig. 7**

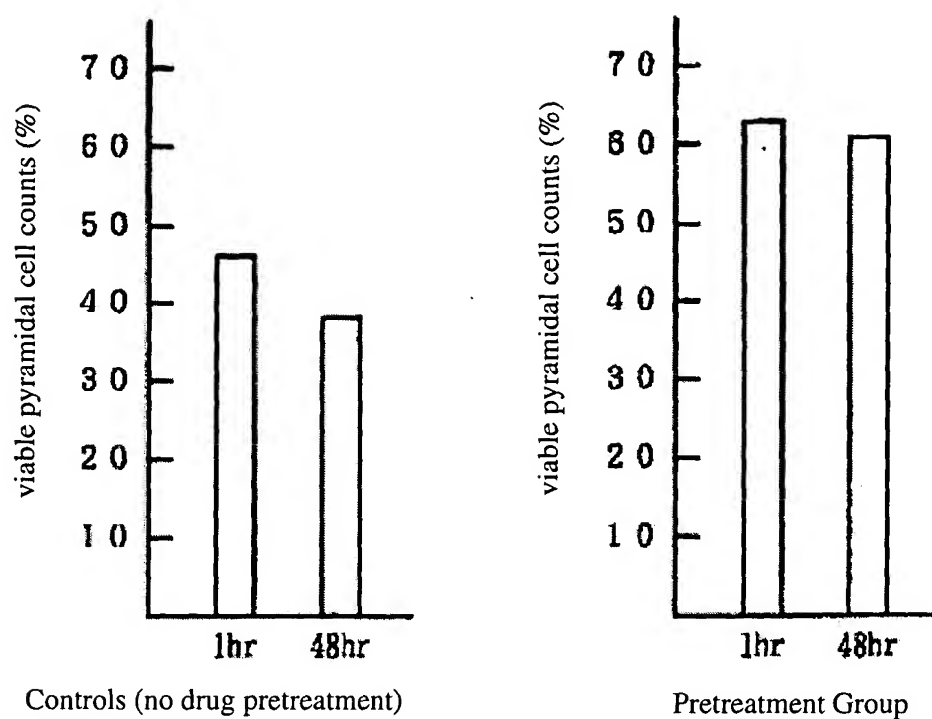


Controls (no drug pretreatment)

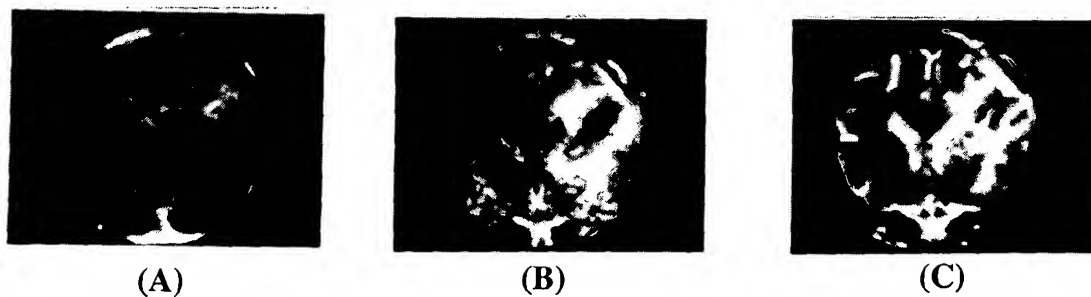


Pretreatment Group

**Fig. 8**



**Fig. 9**



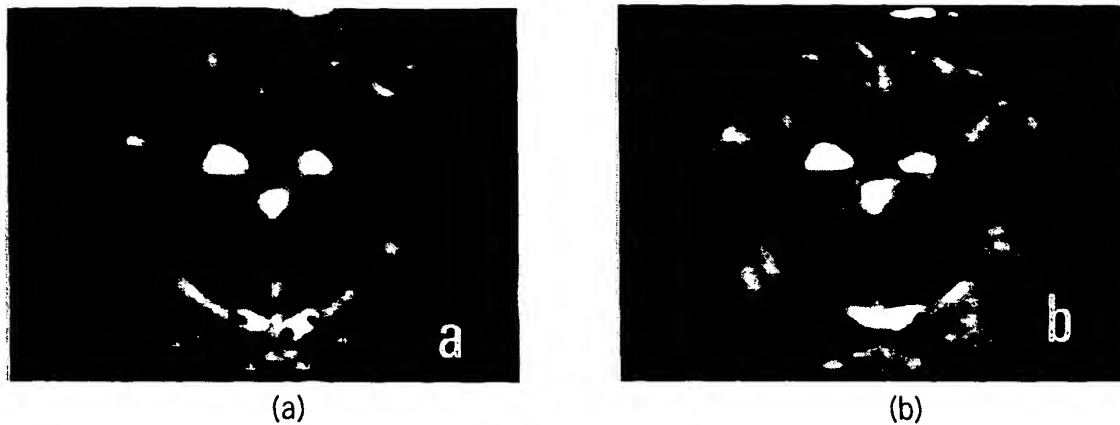
The segmental alterations of MR T2-images on canine direct contusion.

A: just after making direct contusion on the dog.

B: 18 hours after direct contusion on the dog.

C: 24 hours after direct contusion on the dog.

**Fig. 10**

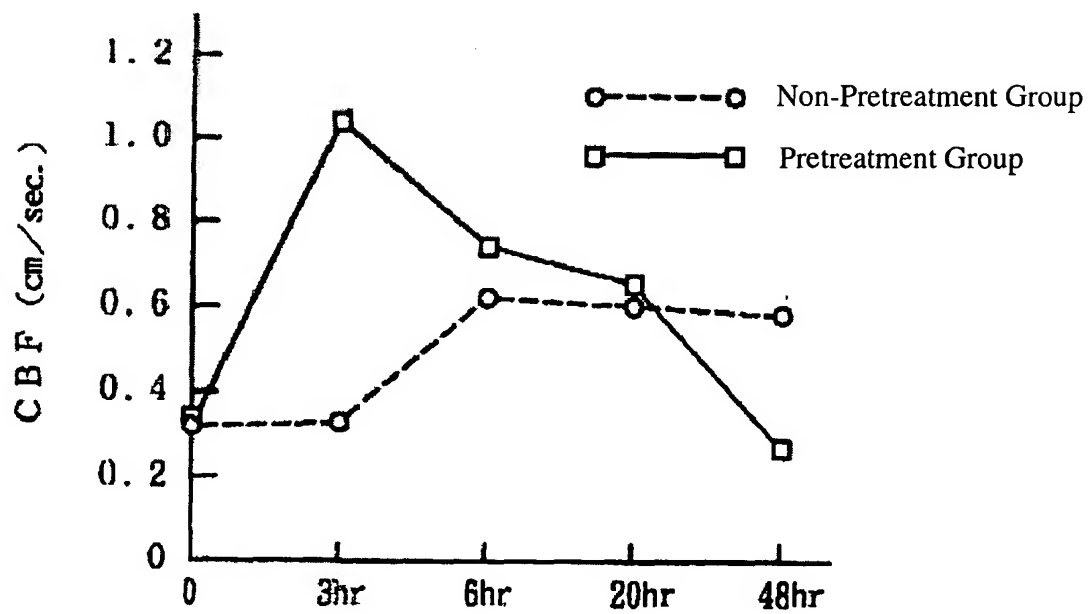


The segmental alterations of MR T2-images on canine contusion.

a: just after impact on the dog.

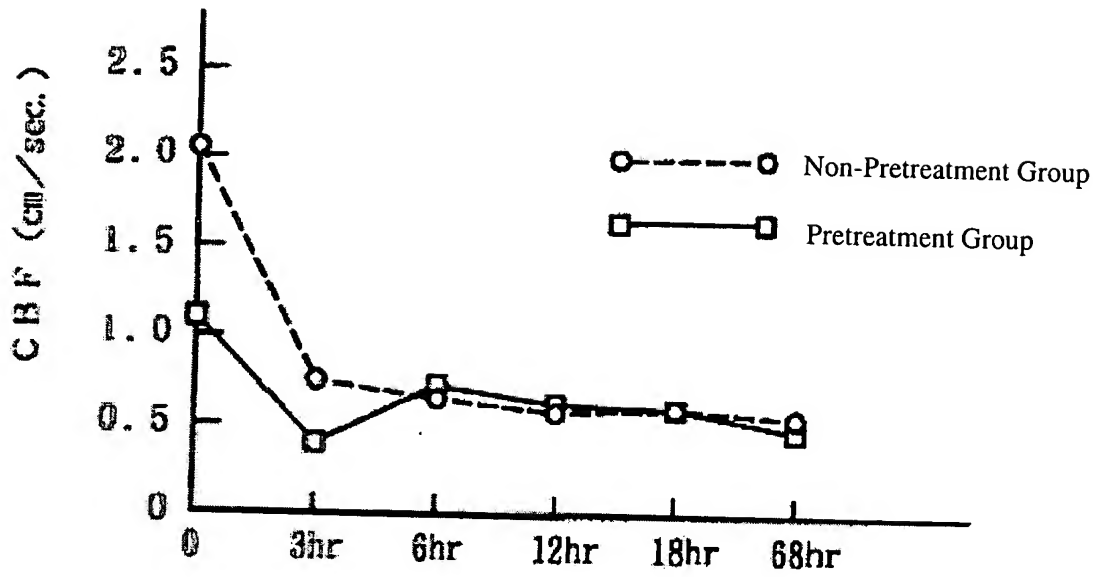
b: 3 hours after impact on the dog.

**Fig. 11**



Changes in cerebral blood flow (CBF) velocity (OCN group)

**Fig. 12**



Changes in cerebral blood flow (CBF) velocity (WD group)